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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/017,451

DATE: 01/04/2002 TIME: 09:53:49

Input Set : A:\ES.txt

Output Set: N:\CRF3\01042002\J017451.raw

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7 :110 - APPLICANT: BARZU, OCTAVIAN 10 GILLES, ANN-MARIE 13 SAKAMOTO, HIROSHI MUNIER-LEHMANN, HELENE 16 22 <120 > TITLE OF INVENTION: GENES ENCODING UMP KINASE METHODS FOR PURIFYING UMP KINASE AND METHODS OF CHARACTERIZING UMP KINASE 29 -: 130 > FILE REFERENCE: 217489US0 35 <140 > CURRENT APPLICATION NUMBER: US/10/017,451 35 <141> CURRENT FILING DATE: 2001-12-18 35 -: 150 - PRIOR APPLICATION NUMBER: US 60/255,894 38 -151 - PRIOR FILING DATE: 2000-12-18 44 (160) NUMBER OF SEQ ID NOS: 3 50 ×170 × SOFTWARE: PatentIn version 3.1 56 - 210 - SEO ID NO: 1 59 - 211 - LENGTH: 720 62 <212> TYPE: DNA 65 (213) ORGANISM: Bacillus subtilis 71 -: 400 - SEQUENCE: 1 73 atggaaaaac caaaatacaa acgtatcgta ttaaagctta gcggggaagc attggcagga 120 77 gaacagggaa atygaattaa cccgactgtc attcaatcca ttgcaaagca agtgaaggaa 180 81 alegetgage tigaagtega agtggetgtt glitgtaggeg geggeaacta tggegeggaa 85 aaaacaggaa gtgacctggg catggaccgc gcgactgctg actatatggg aatgctggcg 240 89 adagtaatga attogottgo tottoaagad agottggaaa cactoggaat coagtooaga 3(1)() 93 gtqcaaacat ccattgaaat gagacaagtt gctgaaccgt acataagaag aaaagcgata 360 420 97 cgccacttag agaaaaaacg tgtcgttatt ttcgctgcgg gcacaggaaa cccatatttc 101 toaactgata egacagetge actgeggget getgaaattg aggeagaegt tattttaatg 480 105 getaaaaata aegttgaegg tgtgtataat getgateeta gaaaagatga ateagetgtt 540 109 aagtatgaat cactttotta tottgacgtt ottaaagacg gootggaagt catggattoa 600 113 acagetteet etttatgeat ggacaatgae atteegetta tegtettite tattatggaa 660 117 gaaqgaaata teaaacgtge egttateggt gaateaateg gaacgategt gagggggaaa 720 123 <210> SEQ ID NO: 2 126 <211> LENGTH: 711 129 <212> TYPE: DNA 132 <213> ORGANISM: Haemophilus influenzae 138 <400> SEQUENCE: 2 140 argagecaac caatttataa aegtatttta ttgaaattaa geggtgaage attacaagga £, () 144 gaagatggto tiggitatoga tootgogatt ologatogta iggolgitga aattaaagaa 120 148 thagtggaga tgggtgtgga agtcagtgtc gttctcggtg gtggcaactt attccgtggc 180 152 geaaaactag caaaageggg gatgaatege gtggtgggeg atcatatggg aatgettget 240 156 actgtgatga atggtttggc aatgcgtgat tetttattee gtgetgatgt gaacgcaaaa 300 350 160 traatgtoog otttocaatt aaatggtatt tgogataott ataactggto tgaagotato 164 aaaatgttac gegaaaaacg egtagteatt ttetetgegg gaacgggaaa tecattettt 420 480 168 accactgatt ctaccgettg tttgegtggt attgaaattg aagetgatgt tgtgttgaaa $1\,{}^{\circ}2$ gegactaaag tigaiggigi gialgatigi galootgoga aaaatootga tigaaaacti 540 600 176 tataaaaatt taagttatgo agaagtgato gahaaagaat taaaagtgat ggachhatog 660 180 gegittaett tagetegega teatggeatg eegattagag tgiteaatat gggtaaaeet

184 ggagcattac gtcaagtagt gactggtact gaagaaggca ccactatttg t

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/017,451

DATE: 01/04/2002

TIME: 09:53:50

Input Set : A:\ES.txt

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L:35 M:270 C: Current Application Number differs, Replaced Current Application No

L:35 M:271 C: Current Filing Date differs, Replaced Current Filing Date